



VCU magazine

NOVEMBER 1972





VCU magazine

WHAT'S INSIDE...

David G. Taylor	4	Environmental Problems, a substitute for phosphates
	6	Tay-Sachs Disease, prevention through detection
	8	Variety on exhibition, VCU art collection
	10	Nursing, degree of specialization
	11	Facilities of the past, part of the future
Pat Ryan	14	Student consultants, improved housing
	15	Revived specialty, family practice
	16	Teaching the student, training the teacher
David Allen	18	Basketball Rams, prospectus of victory
	19	News Briefs
	20	Alumni Associations
Gordon P. Bruce		VCU (Academic Division)
Marcia Dudley		School of Social Work
C. Robert Peery		Hospital Administration Section
June H. Turnage		Nursing Section
	22	Personals
James L. Dunn	23	Comment

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David R. Mathis
alumni publications officer

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James L. Dunn
director of alumni activities

Elizabeth W. Rankin
alumni records officer

COVER:

VCU has an abundance of history preserved in many
buildings on both the Academic and Health Sciences
campuses. See page 11.

Environmental Problems

A substitute for phosphates

By David G. Taylor

Fourteen undergraduate students of the chemistry and biology departments of the University took part in a unique research program under the sponsorship of the National Science Foundation (NSF) for a period of twelve weeks this summer. The Foundation's Student Originated Studies Program (SOS) awarded over 1.9 million dollars in support to 134 student research groups of 5 to 15 undergraduate students. A total of 1,300 undergraduates at 120 colleges and universities participated in student-planned and student-directed research projects aimed at exploring some of the pressing problems of our country.

Students participating in the SOS program devoted 10 to 12 weeks of their summer to full time research under the leadership of a fellow student designated as Student Project Director. While a faculty advisor was associated with the group from its beginning, the initiative and responsibility of the project lay completely with the students. The SOS program supports interdisciplinary groups of students proposing to attack either a single problem or a group of related problems focused on the general area of our environment. Of the 282 proposals submitted, 134 were selected for NSF support, based upon evidence of the students ability to assume increased responsibility for their own educational development as exhibited through their proposal.

VCU student researchers began work in early March after notification

of the award was received by the student project director and faculty advisor, Dr. George C. Grant, assistant professor of chemistry. The project entitled, "Interactions of Nitrilotriacetic Acid (NTA) and Metal Ions in Natural Waters" received an award of \$21,390 in support from NSF.

NTA has been in the news recently in connection with its possible use as a replacement for phosphates in the formulations of domestic detergents and laundry products. Both NTA and the phosphates are chelating agents which combine with such metals as iron, calcium, and copper in natural waters to form soluble complexes with the metals. The metal content in natural waters is generally thought of in terms of "soft" or "hard", and causes the familiar bathtub ring and gray scum on clothes when soaps are used in hard water areas. The ring and scum are formed by the combination of soluble metals with the detergent or soap chemicals giving rise to the insoluble scum material. To reduce the scum formation and thus improve the cleaning action, chelating agents are included in detergent formulations because they preferentially tie up the metals in soluble forms which are easily rinsed away.

Phosphates are under criticism because they are suspected to be partially responsible for eutrophication in streams and lakes via choking algae blooms which supply large amounts of an essential growth nutrient, phosphorous.

NTA has not been studied sufficiently to determine whether it would



Mr. Taylor, a senior chemistry major, served as the Student Project Director in studying the possibility of using NTA instead of phosphates in household detergents.

be environmentally safe on a long term basis, if introduced into the lakes, streams and rivers in the presence of large amounts of phosphates and other chemicals labeled as man made pollutants. Thus it was the intent of the VCU students to study selected aspects of the use of NTA in the environment to enlarge upon the knowledge of the compound. Of particular interest to the VCU group was the effect of added NTA on metal ions already present in river water, mud sediments and living organisms or on metal ions added as pollutants.

The student researchers worked on determining the probable effect of NTA on the local environment. Since NTA would be introduced into the James River through municipal sewage and septic runoff from use by the people of Richmond and other communities along the James, the students concentrated their study on NTA's effect on the river. Regular water and sediment samples were taken from the James both above and below the City of Richmond, and were analytically examined by Atomic Absorption Spectrophotometry to determine their metal content for a total of eight different metals. Water temperature, acidity, and weather conditions were monitored at the sampling stations to aid in the correlation of such factors as the floods of Hurricane Agnes with the chemical composition of the river. The table below shows typical analyses for a set of samples.

Representative Metal Content in PPM* for James River Water at Richmond, Virginia

Cobalt	Copper	Iron
0.020 ppm*	0.010	1.8

Cadmium	Zinc	Calcium
0.010	0.039	17

Sodium	Potassium
4.8	2.1

*ppm = parts per million = mg metal per liter (1.06 quart) of water

Sediment Samples

Huguenot Bridge (above Richmond)

Zinc	36 ppm+
Copper	2.9 ppm

Dutch Gap (below Richmond)

Zinc	112 ppm
Copper	16 ppm

+ppm for sediment expressed as mg metal per 1000 g of sediment

No appreciable difference in the metal content of the river water was observed for samples taken above and below the City's many effluents. But sediment analysis for the same sample sites indicates as much as a five-fold increase in metal content for sediment samples taken below the City. Since NTA is a strong chelating agent it is plausible that the metal content of the river would rise significantly due to dissolution of metals in the sediment through chelation with NTA. Such an increase in metal content might cause chronic metal poisoning in the aquatic life through the use of NTA even though the metal content of effluents entering the river were reduced. Further studies on dissolution of metals are currently in progress.

Experiments were conducted on the effect of NTA on the toxicity of zinc and cadmium metals to Blue Gill fish which are commonly found in Virginia's estuaries. The fish were exposed to various combinations and concentrations of either zinc or cadmium and NTA, at several pH levels for a period of two weeks. During this time fish were systematically removed and dissected, and their organs analyzed by Atomic Absorption Spectrophotometric methods to deter-

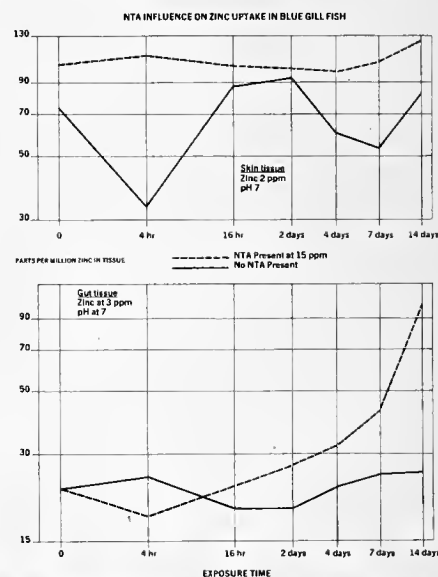
mine the uptake of the metal. Control groups of fish were either the metal or NTA, or both were excluded gave a reference level to which the combined effect of the metal and NTA could be related.

The adjoining graphs illustrate some typical results from the zinc studies. In the fish's skin the zinc uptake in the presence of NTA was significantly higher throughout the two week period than the uptake at the same concentration of zinc with no NTA, as shown in the upper portion of the graph. The lower portion of the graphs indicates the zinc uptake in the gut in the presence of NTA was significantly higher than with zinc alone only at the end of the two week period. Other tissues such as the muscle, gill, bone, and heart show no conclusive evidence of uptake of zinc either with or without NTA. Studies are continuing on the uptake of cadmium in the presence of NTA.

NTA would serve as a nutrient for algae if introduced into the environment since it is a ready source of carbon and nitrogen. The student researchers are currently studying the degradation process of NTA by using Gas Liquid Chromatography to identify the fragments of decomposition as photo- and bio degradation takes place. This aspect of the study of NTA is important as are similar studies of any potential pollutant because an otherwise innocuous compound may degrade to form a toxic substance in the presence of other constituents in the environment. At present NTA appears to be safe in

this regard as evidenced by a Canadian study which concluded that NTA was successfully degraded following a brief inoculation period.

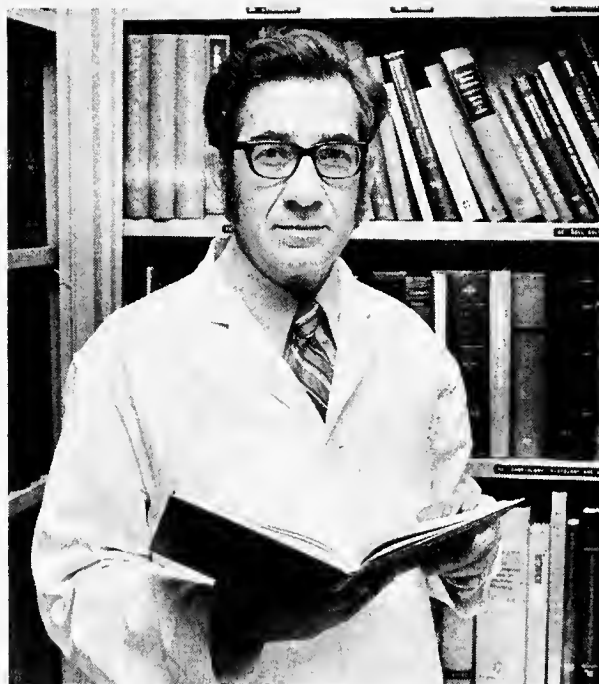
Researchers and federal agencies spend much time in study and research before certifying or prohibiting the use of any consumer product. Through their brief study, the undergraduate researchers at VCU did not hope to completely resolve the issue of NTA usage, but to provide more scientifically sound data for those who must make this decision. Science and technology are often blamed for providing the means for environmental destruction. Any reversal of this destruction must be based on more prudent use of the fruits of science; the responsibility for this starts with the individual. □



photography by Patricia A. Ryan



Dredging for a sediment sample on the James River are three VCU students studying NTA, a substance being considered as a substitute for phosphates in detergent. They are: Robert Layne (background), Sheryl Baldwin, and David Beals.



Dr. Seymour Bakerman, co-director, of the Richmond program.

Tay-Sachs Disease

Prevention through detection

Just as the dreaded sickle cell anemia disease is peculiar to the black community, there is an inherited disease affecting Jewish persons. The disease, Tay-Sachs, is a genetic disorder which causes loss of mental and physical function and results in death for infants.

Beginning in the summer and continued into the fall, married Jewish couples of child bearing age in Richmond area have participated in a blood testing program to detect carriers of this disease which is 100 times more common in Jewish children than in the non-Jewish population, according to Dr. Peter Mamunes, associate professor of pediatrics. The screening program is conducted by the University's Health Sciences Division and the State Health Department.

Serving with Dr. Mamunes as co-director of the program is Dr. Seymour Bakerman, professor of pathology.

Tay-Sachs is caused by the lack of an enzyme which breaks down fatty substances in cells. Because brain cells are chiefly affected in the disease, the person's mental capacities disappear with total mental retardation following the onset of the disease. The affected child appears normal until he is about six months old. Rapid deterioration of the physical, as well as mental, faculties result with death occurring at three to five years of age.

The co-directors of the screening program estimate that the medical cost for the care of a Tay-Sachs child is from \$20,000 to \$40,000 per year. During the short life span of the infant, the total cost could transcend the \$100,000 mark with the State assuming the major portion of this amount. Dr. Bakerman points out that the research and conducting of the enzyme test during the screening process will not nearly approach this amount which represents the care of only one child. The screening of the approximately 3,000 Jewish families in the Richmond area is expected to identify possibly three or four couples who are at risk of having a child with Tay-Sachs disease. Once these couples are cited as carriers, another test is conducted on the fetus early in pregnancy. If the test indicates the absence of the vital enzyme and



Reginald Graves, right, graduate student in medical technology, assists Dr. Peter Mamunes, co-director of the Tay-Sachs program, in determining those individuals who are carriers of the disease which primarily affects Jewish people.

therefore the presence of the disease, the pregnancy can be therapeutically terminated.

Confined primarily to Jewish persons of central and eastern European ancestry, the Tay-Sachs gene is inherited from each of the child's parents who are termed carriers of the disease. As carriers the parents are unaffected by the disease but are capable of passing on the weak gene to their children.

Approximately one in 30 Jews of this central and eastern European ancestry are carriers of the gene. (It is estimated that 90 to 95 per cent of the Jewish people living in the United States have this ancestry.)

If two carriers marry (the chances are one in 900), there is a 25 per cent chance that each of their children will inherit Tay-Sachs disease.

As there is no known cure for the disease, the emphasis is being placed on prevention through detection. Accordingly, the blood tests — only recently developed — to determine carriers are being conducted in several cities throughout the United States. In Richmond, the test is expected to

identify about 100 carriers. This in itself creates a problem which, according to Dr. Mamunes, can be alleviated through counseling. He and Dr. Bakerman plan to set up a counseling service to explain the significance of being a carrier to those individuals carrying the Tay-Sachs gene. Candidates for the Ph.D. degree in genetics are being utilized to man this service.

An extensive publicity campaign has been conducted locally to acquaint the Jewish community with Tay-Sachs. One area of confusion has existed in that once a Jewish couple is found to be a carrier of the disease, this couple can possibly have healthy children — provided that each pregnancy is monitored.

Screenings will be conducted at approximately six to eight week intervals. Dr. Bakerman states, "It is hoped that all married Jewish couples will have this test performed. "A cure for Tay-Sachs is not foreseen in the near future; therefore, prevention will continue to receive emphasis with the hope that the disease will eventually be eliminated completely by the mere blockage of its occurring initially. □

photography by Everett Nieuwenhus



Alan Crane
Homecoming
lithograph

Variety on exhibition

VCU art collection

September visitors to VCU's Anderson Gallery were treated to the unveiling of the University's art collection.

A major part of the exhibition was prints from the collection of Dr. Henry Hibbs, first president of the former Richmond Professional Institute. Dr. Hibbs, who retired in 1959, devoted much time and interest to the collection of art works.

Items in the collection range from matchbook-sized 15th Century German woodcuts to 20th Century American artists Paul Cadmus and Nell Blaine, who studied art at RPI.

Also included among the eighty works are graphic masterpieces by Durer, Bonnard, Rembrandt, Piranesi, Manet, Daumier, Winslow Homer, and Rubens.

Other University holdings feature works by Theresa Pollak, founder of the VCU School of the Arts.

Gallery Director Bruce Koplin has led the researching and cataloguing of the varied collection.



Peter Paul Rubens
Lamentation
engraving



Theresa Pollak
Studio Table
oil on canvas



Pierre Bonnard
Crowded Place in Paris
lithograph



Nell Blaine
Avocadoes
woodcut



Honore Daumier
Professor and Students
lithograph



Rembrandt
Portrait Jean Asselyn
etching



Auguste Renoir
Ambroise Vollard
lithograph



Winslow Homer
Snap the Whip
wood engraving from *Harper's Weekly*,
Sept. 30, 1873



Dr. Edna H. Treasure, director of graduate program in nursing.

Nursing **Degree of specialization**

"If you don't get out and do it, you're never going to do it," summarized Dr. Edna H. Treasure referring to nursing students' community involvement. The associate dean of the School of Nursing and director of the graduate program in nursing cited service to the community as a fulfillment of the University's purpose.

From their involvement in such programs as the Fan District Clinic and Grace House, a day care-nursery, to participation in volunteer telephone emergency services such as the Richmond-based F.I.S.H. service, nurses serve "wherever there are patients." According to Dr. Treasure, there is "often the necessity to teach parents how to play with their own children!"

Dr. Treasure exemplified her graduate students by relating one instance when a student entered a lower income home that had a new born child, another small child, an unemployed mother and an infrequently employed — alcoholic father. The student contacted "every social

agency in the city" with the result being that the father returned to full-time work while attending sessions of Alcoholic Anonymous. His rehabilitation provided stability in a short time in a situation that had been chaotic. This kind of intervention to help patients help themselves to better health is what nursing is all about, according to Dr. Treasure.

Relatively new to the School of Nursing, which was founded in 1895, is the graduate program in nursing. Begun in 1968, this graduate program was the first in Virginia. It received accreditation by the National League of Nursing in 1971 and has increased the number of Master's degrees granted from three in 1970 to an anticipated 15 in 1973.

Students come from throughout the East Coast to earn the M.S. in one of four nursing areas: medical-surgical nursing, community health nursing, maternal-child nursing, or psychiatric-mental health nursing.

All graduate students in nursing are registered nurses and must be licensed to practice.

The graduate program in nursing hosts 29 students within its curriculum this fall semester. In addition to Dr. Treasure, nine other School of Nursing faculty personnel comprise the ranks in the Master's degree program in nursing. Many of them are new to the University this year. The associate dean credits much of the growth of the faculty and students to "an intensive recruiting program." As an example, nursing association meetings in seven states were visited last year with exhibits promoting the graduate programs.

As a part of the School of Nursing, the graduate program in nursing will join the Schools of Pharmacy and Allied Health Professions in a proposed new building within the next few years.

"Regardless of the problems confronted, our nursing graduates will meet them and attempt to solve them," states Dr. Treasure. □

With approximately 30 buildings qualifying for inclusion in the Virginia Landmarks Register, VCU is probably one of this country's most historic educational institutions. This distinction is further engraved into the developmental past of the United States because many of the facilities cited in the registry received their acclaim prior to the University's founding date of 1838 and therefore reflect a varied past.

Only recently recognized officially for their architectural and historic importance are some 22 University-owned buildings on Franklin Street. A three-block area of the Academic Division, the former Richmond Professional Institute's campus, was proclaimed the West Franklin Street Preservation Zone. This region extends from Monroe Park down Franklin Street to Ryland Street.

Built around 1855, the Ritter-Hickock House is the oldest existing structure in the preservation zone. Immediately following the War Between the States, the Franklin Street area was considered one of the more fashionable of Richmond's residential districts. In 1867 it was incorporated into the city limits with the business flourishes of the 1880's and 1890's assuring expansion of the area. The first American electric street railway penetrated the bustling West Franklin suburb in 1888, thus the relative seclusion once enjoyed by the Ritter-Hickock mansion in itself became an element of the past.

According to the Virginia Landmarks Commission, the architecture exhibited on West Franklin "is a manifestation of the increasing power of the business community and it is a reflection of the cosmopolitan tastes acquired by the world traveling turn-of-the-century businessman."

Because of this acquisition of international taste and cultural expansion, the houses built by these financially successful community leaders reflected a variety of architectural influences: Georgian Revival, French Renaissance, Romanesque, Italianate, French Second Empire, and Greek Revival.

The present administration building of VCU's Academic Division is the former Ginter House. Completed in the early 1890's by tobacco magnate Lewis Ginter, the three-story brick



Ginter House, former home of tobacco king.

Facilities of the past **Part of the future**

and brownstone residence was mentioned in Thomas Wolfe's **Look Homeward Angel** and quickly became the hub of Richmond society near the turn of the century.

The firm of Allen and Ginter merged with that of James B. Duke with the result being the creation of the American Tobacco Company. Ginter is also noted for another item in the landmark registry, the Jefferson Hotel, which was completed in 1895.

Just across Franklin Street from the Ginter House is an early-Twentieth Century Georgian Revival structure which today houses many offices of the University's central administration. Called the President's House, it served as the residence of Richmond Professional Institute presidents Dr. Henry H. Hibbs, Dr. George J. Oliver, and Dr. Roland H. Nelson.

Now serving as the student center is an example of the Jacobean Revival Period. The 1896 Gustavus Millhiser House, like the Ginter House, retains its hand-carved mantles, woodwork,

and inlaid floors. The Morrish-inspired exotic structure adds an unusual dimension to the tree lined area.

The remaining houses fronting on the preserved blocks are likewise of distinction. Used partially by the University for dormitory space is the Scott-Bocock House, which is owned by alumna Elisabeth Scott Bocock.

Founder's Hall, presently used as a dormitory, was the first and only building occupied by RPI in 1925 when the College of William and Mary absorbed the Institute as a branch college. Founders Hall then accommodated everything from the administration offices to dormitory, library, cafeteria and classrooms.

Throughout the expanse of the West Franklin Street Historic District converted apartment buildings, residences, and carriage houses, give the Academic Division its unique quality yielding insights into the life styles of the 1890's

Downtown on the Health Sciences campus the landmarks register lists buildings and houses of the venerable past with foundings dates ranging from 1812 to 1876. Again, these former residences, office buildings, and churches are part of the University's facilities and, although adapted for its use, retain their architectural and historic worthiness.

Of these eight structures now used by MCV and listed in the Virginia Landmarks Register, only one, the Egyptian Building, was originally built for the designed purpose of accommodating an educational institution. Completed in 1845, the somewhat exotic edifice survives as the oldest medical college building in the South and is still in use by the University. According to landmark records, the Egyptian Building "ranks as the finest Egyptian Revival building in the nation."

Now a symbol of a thriving health center, this radical departure from typical Richmond architecture of the period had its design created by Thomas S. Stewart who was also architect of St. Paul's Church at Capitol Square. The temple-form structure is also listed in the Historic American Building Survey Inventory and the National Register of Historic Places.

Dated 1812-16, the Benjamin Watkins Leigh House is one of the oldest remaining structures of the once fashionable Clay Street in Richmond. Now used as the physical plant office for the Health Sciences Division, it was built by John Wickham, builder of a house across the street that is now part of the Valentine Museum. Benjamin Watkins Leigh served in the U.S. Senate during Andrew Jackson's administration. The house was later used by the Sheltering Arms Hospital.

Next door to the Leigh House is a three-story townhouse built by tobacco manufacturer William H. Grant. This house in the Italianate style was also incorporated into the Sheltering Arms Hospital from 1892 until 1965. It now houses the University's radio-biology studies.

Still on Clay Street is a structure of 1846 vintage. The Maupin-Maury House, although not owned by the University, is closely affiliated with its health sciences alumni through the MCV Alumni Association, its present occupant. A Greek Revival house, it was built by Dr. Socrates Maupin, a founder of the medical school which

later became MCV. The Maury attachment to the name of the house gives credence to Matthew Fontaine Maury's living therein. An oceanographer, Commodore Maury in 1861 conducted experiments in this home for his underwater torpedo.

Leaving the residential atmosphere of Clay Street, history testifies to a corresponding deviation from a residential emphasis to that of a religious purpose. The University now utilizes three structures which in times past were built as churches of varying faiths. Of the three, only one has retained its original purpose by being used as the ecumenical chapel of MCV.

This chapel, the Monumental Church, is located in Richmond's Broad Street on the edge of the MCV campus. Built as a memorial to the seventy-two persons who died in the theatre fire on the same site in 1811, the structure is, according to the Virginia Landmarks Register, "one of America's earliest and most distinctive essays of the American Classic Revival." Near the site of the church the Virginia Convention of 1788 met in the then-Richmond Academy and ratified the United States Constitution. Built in 1812-14, the former Episcopal church was designed by Robert Mills, architect of many public

buildings throughout the eastern part of the country.

Serving as a University post office, cafeteria and office building is the former First Baptist Church, 1841. Another example of the Greek Revival architecture, the church was designed by Thomas U. Walter, notable for his design of the dome and wings of the U.S. Capitol.

The third church facility now operated by the University is the former First African Baptist Church, now used predominantly for classrooms. Claiming 1876 as its founding date, this was one of the first formed Negro congregations in Virginia.

Now occupied by the management/engineering operations for the University is the William Beers House, which is owned by the MCV Foundation. This lone survivor of the early houses on Broad Street west of the Shockoe Valley takes its date as 1839 and is a Greek Revival townhouse.

Cognizant of the importance of its historic acquisitions, the University's Master Site Plan encourages continued efforts to preserve these facilities as long as structural conditions permit. As the University of today has contributed to the region's history since 1838, it seeks to record this history in every possible way. □



Maupin-Maury House, home of MCV Alumni Association.



Monumental Church, now MCV ecumenical chapel.



Founder's Hall, where it all began on the present Academic Division campus.



The President's House, center of the University Administration.



Leigh House was occupied by Senator Benjamin Leigh.



William Beers House, a testimony of a residential Broad Street of the past.



Grant House was used by Sheltering Arms Hospital.



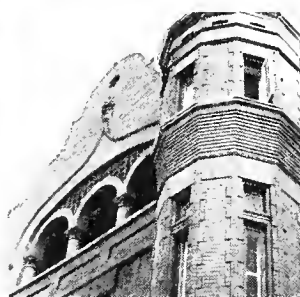
Ritter-Hickock House, once a secluded country mansion, now a dormitory.



Egyptian Building was completed in 1845 on a site known as Academy Square.



photography by W. Robert Hart



Millhiser House, now a Morrish-inspired student center.

By Pat Ryan
information officer

VCU students are helping residents of a Richmond community make home improvements that fit their family budget.

About 30 students have been involved in a project at the University called a "Housing Rehabilitation Program." Its purpose is to provide the residents with plans and estimates for low-cost home improvements and to give students a professional dimension to their education.

"One of the reasons for the decline of neighborhoods," explained Dr. David L. Ames, chairman of the urban studies department and project director, "is a lack of funds for housing improvements."

Chosen for the project was Washington Park, a community in northeast Richmond. The community was selected because it has been designated as an urban renewal area, an area eligible for federal rehabilitation funds.

Half of the students working in the program are urban studies majors in the School of Community Services and half are interior design students, School of the Arts.

Serving as consultants, urban studies students review federal requirements for housing subsidies and minimum requirements for loans. They also study the policies of the community projects regarding furnishings, develop cost estimates, determine the cost borne by the family and by the government, and suggest methods of payments.

Interior design students provide clients with designs for improvements, additions, improved use of space, furniture arrangement, and redecoration.

"For example," Dr. Ames said, "a family of seven needed additional bathroom space but could not afford a second bathroom. Students designed an expanded room with dividers that provided privacy for four people.

"The design provided for additional facilities and space, using the same plumbing, and the family received maximum quality at minimum cost," he said.

Supervisor of the interior design students is Dorothy M. Hardy. Many

Student consultants **Improved housing**

of the homes have the same floor plan, Mrs. Hardy said, and students took the typical plan and adapted it to a variety of family sizes.

"The students designed space for a husband and wife and one child, or a husband, wife, girl and boy; parents, two boys and a grandmother, etc." Mrs. Hardy said.

An interior design student, now alumnus Bill Armstrong, developed a handbook for low-cost interior design. The book contains tips on furniture arrangement, as well as economic do-it-yourself redecoration and repair work. After his June 1972 graduation at VCU, Armstrong continued work on this project which "had really turned me on." His work in Washington Park was assisted by another interior design June graduate, Jane Sullivan. "The people in Washington Park were really glad to have our assistance," Armstrong stated.

Interested clients are referred to the students by CHAD (the Community Housing and Design center in Washington Park), a joint project of the VCU urban studies program and the Virginia chapter of the American Institute of Architects.

Students also work closely with estimators from the Richmond Redevelopment and Housing Authority (RRHA).

In teams of two, the students visit a

Photography by Wirt Christian



Alumni Bill Armstrong and Dorothy M. Hardy: low-cost interior design.

home and the family discusses its needs — improvements, the addition of a kitchen or a bath, etc. The students then draw floor plans of the existing space and plans for the renovation.

The work involves complete interior and exterior measurement of the house. It may also involve suggestions for improvements required by housing standards.

Students refer to the Property Rehabilitation Standards of the RRHA and the Washington Park Community Improvement Committee. Contracts are bid by the RRHA.

The program began in the fall of 1971 and the first semester was spent in Randolph, a community located between the VCU academic campus and the James River. During the semester, students designed a community center, a "tot lot" (an inexpensive recreation facility), and completed projects for elderly and functionally handicapped residents. The emphasis of the program was later changed to Washington Park.

Through June of 1973, the project will be supported by a grant totaling \$9,959. Two-thirds of the grant will be supplied by the federal government and the remainder is being provided by the University.

During the next year, the University hopes to sponsor a "Housing Rehabilitation Clinic," offering consultative services and a variety of permanent workshops. □



Dr. Tom Joseph, resident in family practice, talks with Mrs. Edna Reavis.

Revived specialty **Family practice**

Dr. Fitzhugh Mayo is directing the education of a new breed of doctor — or else rejuvenating a product of medical education's past.

The forerunner of today's family doctor, the general practitioner, met almost any health problem with which he was confronted. Much of his knowledge in solving these problems was gained through experience, according to Dr. Mayo, chairman of the department of family practice at VCU.

Today's medical student finds entering the family practice much more than a self-taught process begun immediately after completing medical school. The first three years

of his medical education will be centered around the core curriculum for all medical students with the fourth and final year spent in a rotating curriculum which provides the student with a broad range of medical experiences. He then enters his residency specializing in family practice. Therefore, as an undergraduate medical student he gains experience outside the medical center as well as within its walls. He then works with area family doctors before ever entering his post-graduate residency.

Professor Mayo cites statistics revealing that approximately 85 per cent of all health care in the United States is in primary health delivery. During the 1950-70 era of specialization in areas other than family practice, this country lost half of its GP's to these other specialties. At this time the population grew by one third.

As a result, Dr. Mayo points out, "public pressure brought about the recent trend in family practice training."

But reversing the trend of pursuing a medical practice in relatively narrow fields with short working hours at lucrative levels takes some degree of researching. Both the training of the family practitioner and the harassed life style of the GP would need changing.

The time for change was first vocalized around 1910 via the Flexner Report which placed standards on medical education. As a result, Dr. Mayo states, about 130 medical schools closed. But the trend away from primary health care gradually increased as more money for research became available. In 1967, another report stressed the urgent need for primary care physicians with the result being that this field has been regarded a specialty for about two years now.

Three problems were determined to discourage doctors from pursuing a family practice. The extensive workload and lack of appropriate training, when coupled with the isolation from opportunity for continued medical education, were found to be the crux of the problem.

In order to alleviate these situations, therefore making a family practice more attractive, group practice is encouraged among physicians. Primary care training is, as already noted, now a specialty in medicine; and continued close relations with medical education are encouraged.

Throughout the study of the primary care practice, documentation of need has been of utmost importance, according to Dr. Mayo. "Until recently concepts were based on opinions and prejudices. Now family practice is defined."

By formalizing the program, the doctor in residency is encouraged to view the community as a whole," Dr. Mayo explains.

Thus by defining the problems and proposing solutions to them, the old GP receives renewed life. Dr. Mayo states that the increased social consciousness of the current students serves to extenuate the vastness of the problem confronted.

With the current approach to primary care medicine, the family doctor "can live an extremely fulfilling life" for just as the approach to becoming a GP today is changing, so are the characteristics so often affiliated with the practice. □



Student meets student — H. M. Hatcher, VCU junior majoring in elementary education, with kindergarten students at Richmond's Southampton Elementary

Teaching the student **Training the teacher**

Should the reverse of the adage that hindsight is better than foresight hold true, then the joint experimental efforts of two schools at the Academic Division will probably be determined a success.

Arts and Sciences has joined ideologies with Education with the result directly affecting some 60 elementary education majors and the manner in which they are guided in pursuing their chosen profession. "At the same time," Arts and Sciences' Paul D. Minton points out, "we are showing a concern for the public by trying to produce better teachers."

Beginning this fall semester, the sophomores majoring in elementary education were introduced to this pilot program of learning. The underlying idea is, according to Dr. Warren Strandberg, dean of the School of Education, to introduce the education major to the courses in the School of Arts and Sciences that he must take to fulfill the requirements for his college degree. "The students must recognize the relevance of the Arts and Sciences courses as basic tools in teaching," elaborates Dean Minton.

Both deans view the pilot program as an incentive for the elementary education major to recognize the significance of these non-education courses while he is enrolled in them. Otherwise, he might not have interpreted these non-education classes as necessary ingredients of his education major. It was felt that often the student would recognize what he had missed only when taking his upper-division education classes.

Assigned to direct the new program are eight faculty members, four from each of the two schools involved. Joining the four education faculty members (three from elementary and one from secondary education) are representatives from the departments of psychology, mathematics, history, and English.

Although the instructors might change each year, the group of students will study together for the remaining three years of their college careers. According to Dean Strandberg, this concept develops a cohesiveness within students and helps alleviate the impersonal feeling so often associated with a large university.

With their instructors having a personal interest in teaching education majors and a background in education courses, the students are finding an itinerary tailored to their interests. Dr. C. Michael Lohr, assistant professor of mathematics and participating professor in this pilot program, cites his Arts and Sciences area as representative of the academic subjects the education major often regards as irrelevant to his curriculum.

Another advantage of the new format, according to Dr. Lohr, is that the elementary education major is exposed to the classroom environment through the Richmond Public School System and therefore can decide if teaching is really what he wants to do for a career. Previously the student was not exposed to the actual classroom until late in his college career — then too late to rectify a mistake made in choosing a major field of study, unsuitable to his talents.

Even though the program's faculty met throughout the summer laying the groundwork for this pilot program, it was not until the 60 students who elected to enroll in this open education program began their fall semester that the schedule and approach of study was determined. "With the faculty and students planning the program together, they were able to determine their priorities in learning as well as how to go about learning," states Dr. Evelyn R. Fulbright, chairman of the elementary education department. This established strong relationships between the professors and the students with mutual benefits derived," she continues.

In addition to the eight faculty directly affiliated with the program, Dr. Fulbright foresees the utilization of many other faculty members throughout the University as resources, particularly as the program progresses.

Through "a lot of interaction of the group," Dr. Fulbright reports the creation of a "questioning environment. We are trying to capitalize on the individual needs of the students," she emphasizes.

Because the training of an educator is a four-year endeavor, it is of necessity the responsibility of the entire University, suggests Dr. Strandberg. No longer can the School of Education be held responsible for educating the teachers of the future, he believes. Through the cooperation of other schools within the University, interdisciplinary courses are coming into focus. There is an identifiable trend of movement from the "isolated package concept of education to more

cooperative efforts between programs," states the dean of Education.

Should the pilot program be determined a success through its continuing scrutiny and monitoring, then the package will be adopted as a permanent member of the elementary education teaching tools. Yet, according to the departmental chairman, the traditional education courses will continue to be offered for evening college students and others desiring that approach and that schedule. "We want to keep choices open for students at all times," Dr. Fulbright said.

The significance of concepts such as the pilot program in elementary education, although still in the experimental stage, is great, for, as Dr. Minton explains, "if a student is motivated, he can then proceed to benefit himself." □



Helping hand — Gayley Middleton, VCU junior elementary education major, offers her assistance with the numbers game.



Tea for two — of VCU's faculty, that is. Dr. Patricia Duncan and Dr. Nicolas A. Sharp, of the elementary education and English faculties respectively, join Southampton children.

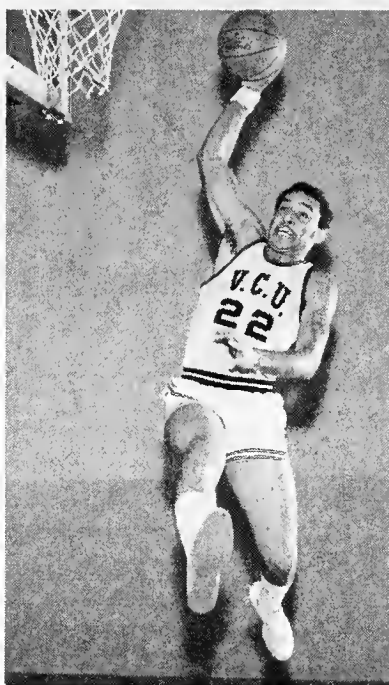
Basketball Rams

By David Allen
sports information director

VCU's basketball team has finally moved in with the big boys. The Rams have been classified in the University Division by the National Collegiate Athletic Association, which places them with the top major universities in the country. With the new classification VCU is eligible for post-season play in such tournaments as the NCAA Championship and the National Invitation Tournament.

There are only six schools in Virginia that are classified as University Division. Virginia's University Division schools are: William and Mary, University of Virginia, University of Richmond, Virginia Tech, Virginia Military Institute, and now VCU.

VCU qualified for the University Division by scheduling more than 50



Richard Jones, 6'3" 190 lb., sophomore

per cent of its games with University Division schools in the next two years. In the 1972-73 season, 12 of 20 games scheduled by the Rams are against University Division schools, while for the 1973-74 season VCU al-

ready has scheduled 17 University Division schools.

Athletic Director and Head Coach Chuck Noe is pleased with the new classification, "We have a tough schedule ahead of us, but it is exciting to look forward to," said Noe. This season will mark the first time VCU has played a major college schedule. For this reason Noe says, "We all have to set our sights a great deal higher." He continues, "Now that we're in the big time, we have got to prove we belong there."

Noe feels he has the talent to do just that. "We have six outstanding returning lettermen, plus four, of whom I consider, very good newcomers," he said. Noe added, "The newcomers will in time give us a bench, stronger than we have had in two previous years."

The returning lettermen from last year's 15-4 squad, include five juniors and one sophomore, while three freshmen and one junior college transfer complete the roster.

Sophomore Richard Jones and junior Jesse "Bodine" Dark return at the forward slots. Jones, 6'3" 190 lbs., led the team in rebounding last year, 13.1 per game average. Jones also finished third in scoring, averaging 13.6 points per game. Dark, 6'4" 203 lbs., led the team in scoring last season, scoring at a 22.1 point per game clip. Dark will probably break the 1,000 point barrier this season. In two seasons, Dark has scored a total of 687 points.

Center Bernard "Supernard" Harris, 6'10" 190 lbs., was second in both scoring and rebounding last year. Harris pulled down a total of 218 rebounds and scored 374 points for a 19.7 average. Harris also led the team in field goal percentage, shooting a torrid 60.8 per cent.

Team captain, Dave Edwards, handed out 16 assists from his guard position while scoring 246 points for a 12.9 average. Edwards, 6'1" 165 lbs., who led the team's devastating fast break last season, is also probably the team's best defensive player.

The other two returning lettermen, Reggie Cain and Howie Robertson, shared the other starting guard position last season. Both are strong offensive players and more than adequate defensive players. Robertson was second in assists, handing out 73,

VCU BASKETBALL SCHEDULE 1972-73

DATE	OPPONENT	SITE
November 27	Wilmington College	Richmond, Franklin Gym
*December 4	East Tennessee	Johnson City, Tenn.
*December 5	Morehead State	Morehead, Ky.
*December 9	Eastern Kentucky	Richmond, Ky.
*December 12	Fairleigh-Dickinson	Richmond Coliseum
*December 21	Eastern Kentucky	Richmond Coliseum
December 23 -	European Tour	Madrid, Spain
January 4		Paris, France
*January 10	West Chester University	Richmond Coliseum
January 13	Wilmington College	New Castle, Delaware
January 15	Norfolk State	Norfolk Scope
*January 17	Canisius University	Richmond Coliseum
*January 20	Centenary College	Shreveport, La.
January 23	Open	Richmond Coliseum
*January 27	North Carolina A&T	Richmond Coliseum
*January 30	Northern Illinois	DeKalb, Ill.
February 2	Virginia Union	Richmond, Franklin Gym
*February 7	East Tennessee	Richmond Coliseum
February 10	Baltimore University	Baltimore, Maryland
February 15	Virginia Union	Richmond, Franklin Gym
*February 20	Iona College	New Rochelle, N. Y.
February 24	Brooklyn College	Richmond, Franklin Gym
February 28	Univ. of Pittsburgh	Richmond, Franklin Gym
	at Johnstown	

*University Division

Did you know...

while scoring 10.8 points per game. Cain, 6'2" 170 lbs., who at times played forward, averaged 9.2 points per game.

Of the newcomers, Thomas Motley, 6'6" 215 lbs., is probably the most heralded. Motley was the MVP of the first Virginia High School East-West All Star Game, scoring 20 points in leading his West team to victory. Motley along with another freshman James Jones, 6'4" 210 lbs., and junior college transfer Bill Zepplin, 6'5" 200 lbs., will provide much needed depth up front.

Motley comes to VCU from Chat-ham High School near Danville, Virginia, where he was a three sport letterman. Motley, selected most valuable player last season, led his team to a 22-3 record last season and to the state AA finals.

Jones is a graduate of Carver High School in Newport News. Lettering in both football and basketball while at Carver, Jones will add some much needed bulk to the Rams front line. While both big and strong, Jones has the finesse of fine basketball player.

Zepplin comes to VCU from Louis-burg Junior College where he was all conference both years he played there. Zepplin, also big and strong, will likely see much duty at a forward position.

The final addition to the squad comes in the person of freshman guard Jeff Hudgins, 6'4" 170 lbs., a recent graduate of Statesville High School in Statesville, North Carolina. Hudgins in his senior year, was selected his team's most valuable player, as well as being selected all-conference and all-area. Hudgins will likely see much action as a part of the Ram's running offense.

Another welcome addition to the program is that of former North Carolina star, assistant coach Dick Grubar. Grubar replaces the departed Bill Pegram, and will work with team defense as well as handle much of the recruiting chores.

Noe singled out the importance of fan support, "The lifeblood of any athletic program is the support of its students, alumni, and friends." □

HYLAND SCHOLARSHIP FUND

A scholarship fund has been established at the University in honor of Ruth Hibbs Hyland, 20-year member of the University's art education faculty.

The Ruth Hibbs Hyland Scholarship Fund will be used for scholarships and loans to undergraduate or graduate students in the art education curriculum at VCU. An initial contribution of \$10,000 was received with another \$1,000 received immediately thereafter.

Mrs. Hyland was on the art education faculty from 1949 until her retirement in 1969. She is the sister of Dr. Henry H. Hibbs, founder of the former Richmond Professional Institute.

Mrs. Hyland received the B.S. degree at the University of Illinois and the M.A. at Teachers College, Columbia University.

Before coming to RPI, she taught art and was an art supervisor in the Richmond City Schools and in the Mid-West. She has served as president of the art section of the Virginia Education Association.

Contributions may be made by designating them for the Ruth Hibbs Hyland Scholarship Fund, payable to the VCU annual fund.

RECORD-BREAKING ENROLLMENT

Enrollment at the University reached a new high with the opening of the fall semester, according to the registrar's office. With a total of 16,028 students at both divisions of VCU, the Academic Division accommodates some 14,174, 9,600 of whom are full time day students and approximately 4,500 enrolled through the Evening College. The Health Sciences Division hosts 1,854 students.

The total enrollment figure represents an increase of nearly 1,000 over last year's enrollment of 15,045.

The academic campus has some 3,000 students that are classified as "incoming", meaning they are freshmen or transfers from other colleges and universities. And of that number, 1,236 participated in the newly created Summer Orientation, Advising, and Registration Program (SOAR). SOAR was held at the Academic Division to help acquaint the ever-increasing numbers of freshmen

with college life and to instill within the orientation period a degree of "personalization." Assistant Dean for Student Life Stephen Lenton stated, "We focused on what the student wanted to know instead of primarily what we wanted him to know."

SOAR attempted to guide the individual student in a look at his behavior, how others perceived him, and how to understand and define his values. Each participant answered his own questions by discovering things about himself through interaction with others.

Questions were raised like "Why am I coming to school?" and "Why do I think others are coming to school?". Groups of students and parents discussed current topics in an atmosphere emphasizing the individual's definition of values and understanding.

The summer's acclimation to the university environment also included individual advising both from a faculty member and in the registration groups, a 10-minute slide presentation of services offered through the Office of Student Affairs, and a 20-minute multimedia presentation on VCU.

While each of the participating freshmen pilgrimaged to the academic campus for one of the 16 different sessions of SOAR, some 7,385 persons were attending the summer session on the same campus. According to John A. Mapp, director of the Evening College and dean of continuing education, the figure represented the largest summer enrollment in Virginia.

ELECTRONIC HOSPITAL FILES

MCV is installing electronic filing equipment which is expected to revolutionize hospital medical records systems.

The equipment, called Trans-A-File, records an electronic image of a document, converts it to a series of electronic charges, and permanently stores it on magnetic tape — all in a matter of seconds.

The medical records department of the MCV Hospitals is presently occupying 1,500 sq. ft. in the basement of two buildings. Rows of shelves are stacked from floor to ceiling with file

Alumni Associations

folders containing medical records on approximately 1.5 million persons, everyone who has visited the hospital.

Two separate files are maintained. The active file contains records of patients who have visited MCV Hospitals within the past two years and an archive file is kept on patients prior to that time.

According to William T. Delamar, director of management services, records on patients at the hospital are in constant use and one of the biggest problems is keeping them intact.

Each folder contains an average of 57 pages — physicians' orders, nursing records, physicians' records, laboratory reports, special examinations, and miscellaneous documents — all of which must be filed in prescribed order.

All documents are extremely important to patient care. They also serve as a legal record.

The job requires a present force of 123 persons. Filing and retrieving records is the full-time work of 73 clerks.

An average of 100 admissions and 100 discharges take place each day at the Medical College's five-hospital complex, including its clinics. The hospital also receives nearly 1,000 requests for records per day on outpatients and from emergency rooms and admissions offices, Delamar said.

Of the 1,100 persons seen each day, approximately 1,000 have records on file. The remaining 100 require new records, necessitating 36,500 new records each year.

The Trans-A-File Systems Co., owned by subsidiaries of Transamerica Corp. and Singer Co., does for manual files what the computer did for data processing.

DEAN BARKER RECOGNIZED

Dr. Thomas C. Barker, dean of the School of Allied Health Professions, has received the 1972 Better Life Award of the Virginia Nursing Home Association.

The organization's highest award was presented at the association's 17th Annual Institute held at the University of Virginia.

Previous recipients of the Virginia award include former Governor Mills Godwin, Health Commissioner Mac I. Shanholtz, and the former state welfare and institutions director, now Secretary of Human Resources, Otis L. Brown.

SCHOOL OF SOCIAL WORK

Hello again from your alumni association.

The Council of International Programs has come to a close for this year. In late August the alumni association planned and hosted a final party, luau style, for the foreign participants and host families. The evening was exciting with address exchanges and fond good-byes. The experiences and relationships that developed will never be forgotten. People met, grew to know, then understood others who seemed very different and yet so very similar to themselves. As we all bid farewell, Dean Rothenberg announced, to everyone's delight, that the school would participate in the Council of International Programs again next year. The alumni association will continue to work with the school for next year's program and anticipates another successful event.

We are sad to tell you of the untimely death of one of our alumni members. On July 14, 1972, Stuart Joseph Gluck was caught in an undertow and drowned while swimming with friends in New York. Stu, who graduated in 1969, was planning to return this fall to teach at the school. Those who knew Stu and worked with him felt his loss very deeply. Therefore, a group of alumni and friends established a memorial fund now named the Stuart Gluck Memorial Library Fund. This fund is now supporting a social work library in the School of Social Work building. The response to the fund has been overwhelming. We feel Stu would have thought a library an appropriate way to remember him.

The updated registry of all alumni members is now becoming reality. The VCU Alumni Activities Office has coordinated the school's files with the University's computerized files. Now all alumni mailings will be sent from a centralized registry. This should solve our mailing list problems.

We are pleased to announce that our newly appointed faculty liaison is Jean Jones. Ms. Jones has been involved and interested in alumni affairs, and we are sure she will provide the needed link with the school that was lacking. We also welcome to the board, John Hardy, student representative, who is a second-year student in the school. We look to him to keep us informed of the interests, ideas, and needs of the students.

The board's first fall meeting was active and fruitful. Dean Rothenberg reported many current activities at the school. In the School of Social Work's effort to better relate to the needs of the community and move toward the changing patterns of education, it is, for the first time, offering part-time night courses.

There is a new concentration under consideration in collaboration with the School of Education, complete with practice teaching. Upon completion of this program, the student would be prepared to teach social work and related courses in undergraduate and community colleges. There is a very strong proposal to shorten the masters program to one year for those students who have earned their bachelor's degree in social welfare.

The alumni association plans to become a more active part in the school's development. A committee was formed to discuss the possibility of a workshop devoted to areas alumni members feel need more exploration. Another committee was formed to consider the request of contributions to the school to support established, proposed, or considered projects such as the H. H. Hibbs Loan Fund for students.

Another aim of the association is to become more closely affiliated with the University and the total University alumni.

We hope that we can motivate many of the inactive association members in order that we can continue to become more involved in programs and projects as we work toward the goals of the profession of social work.

Marcia Dudley

NURSING SECTION

Greetings. It was nice to see so many alumni at the Virginia Nurses Association convention in October. The breakfast sponsored by the nursing section was especially enjoyable.

Another big event is almost here. The Sixth Annual Nursing Lectureship will be held November 17 at 1:30 p.m. in the Larrick Center, MCV. This is an event begun in 1967 for the purpose of providing educational opportunities to students, graduates, and friends of nursing around the state by bringing to the campus an outstanding leader in nursing or the health field. This year we are pleased to have Dr. Esther Lucile Brown as our speaker. Her topic is "Current Changes in the Health Services and in Nursing Practice — Implications for Future Nursing Roles." Dr. Brown is certainly well known for her contributions to nursing and we look forward to having her here. Plan now to attend.

June H. Turnage

HOSPITAL ADMINISTRATION SECTION

The next meeting of the alumni association is scheduled for November 17 at the Homestead, Hot Springs, West Virginia, in connection with the Virginia Hospital Association's annual meeting. Several important subjects are on the agenda for this meeting including the report on the progress of the collection efforts from the alumni toward the financing of the Charles P. Cardwell Lecture Series.

The first Cardwell lecture will be held during the Annual Congress of the College of Hospital Administrators on February 24, 1973, in Chicago. A cocktail and dinner party to precede this lecture will be held at the Racquet Club. We are pleased to announce that the guest lecturer for the first of these series will be Mr. Ray E. Brown, executive vice president of Northwestern University Medical Center.

Officers for the new year — C. Robert Peery, president; Amos Tinnell, vice president; William H. Green, Jr., secretary; John Faulkner, treasurer; and executive committeemen Richard Kraus, Thomas Whidbee, Charles Sweat and Uldis Birzenieks met with the president and past president and the school faculty in Richmond on October 26, to discuss ways in which the association can better serve the school. The committee structure of the association was critically reviewed during this session.

October 27 has been announced for the first Preceptor's Conference held at the school. Numerous aspects of the residency program were discussed at this meeting.

C. Robert Peery

VCU (Academic Division)

The Board of Directors of the VCU Alumni Association (Academic Division) has continued its study of ways to involve alumni in the life of the University. The questions raised about an annual homecoming event have been the topics of extended discussions as board members have attempted to reflect the views of those who studied on the academic campus of the University.

The nominating committee reported at the most recent meeting of the directors that the following alumni had been nominated for three-year terms on the board: James B. Anderson, '49; Virginia M. Diradour, '65; Charles B. McFee, Jr., '65; Jerard W. Roesner, '67; Ralph K. VanLandingham, '63; Claudia H. Viar, '66; and Norman P. Wash, '68.

A ballot will be mailed to members of the association who contributed to the 1971-72 Annual Fund.

The annual meeting of the membership will be held on Wednesday, January 17, 1973, at 5 p.m. in Richmond at the Jonah Larrick Student Center. This meeting will precede a dinner/basketball event planned for alumni by the Alumni Activities Office of the University.

Gordon P. Bruce

Annual Meeting of the Membership
VCU Alumni Association
(Academic Division)
January 17, 1973, 5 p.m.
Jonah Larrick Student Center



Robert A. Wilson (left), past Rector of the Board of Visitors, was presented an honorary life membership by VCU Alumni Association (Academic Division) by President Gordon P. Bruce. Mr. Wilson was appointed to the original RPI Board in 1962 and served until the formation of the University in 1968 when he was named to the original VCU Board.

Whatever happened to...

1934-59

Elam C. Toone, Jr. (medicine '34), professor of medicine and chairman of the division of connective tissue disease at MCV, has been listed in the 1972 edition of **Who's Who in America**.

Garland C. Habel (pharmacy '40) owner of the Burkeville (Va.) Drug Store, has been selected as a member of the Burkeville office's board of Virginia National Bank.

Anna M. Anderson (nursing '47) was elected director of the American Medical Association Woman's Auxiliary at the auxiliary's 50th anniversary convention in San Francisco.

James L. Dillon (business '52) has been promoted to business manager of Richmond Newspapers, a firm which has been his employer since 1961.

Faye L. Peters (nursing '52) of Richmond, has been cited in a recent edition of **Selected Bibliography of Regional Medical Programs** for her contribution through the writing of articles.

Carl S. Napps (hospital administration '56) administrator of Winchester (Va.) Memorial Hospital, has been named chairman of the United Fund Campaign for 1972-73.

Samuel W. Crickenberger (pharmacy '57) pharmacist and manager of S. C. Chancellor Co., in Charlottesville, has been appointed by Gov. Linwood Holton to a four-year term on the State Board of Health. He is also president of the Charlottesville American Cancer Society Board.

Jack W. Hall (medicine '59), a specialist in internal medicine and nephrology, has joined the Danville (Va.) Urologic Clinic.

David A. Whitaker (distributive education '59) assistant professor of economics at the University of Richmond, was awarded a fellowship by the Virginia Bankers Association to attend the 1972 resident session of the Virginia-Maryland Bankers Schools at the University of Virginia.

1960-65

Charles W. Bradley (hospital administration '60), formerly administrator of Le Bonheur Children's Hospital, has been elevated to president and chief administrative officer and voting member of the Board of Directors at the Memphis facility.

James L. Seaborn, Jr. (business '61) of Charlottesville, has been reappointed by Gov. Linwood Holton to the Board of Visitors of VCU.

Richard E. Brown, Jr. (business '64) has joined with Ralph K. VanLandingham in the formation of a partnership in accounting located in Gloucester, Va.

Ronald L. Coleman (distributive education '65) has been appointed Dean of Student Services at Ferrum College, Ferrum, Va.

Carol Braxton Hafer (English education '65) is now professor of English at Bluefield College, Bluefield, Va.

Ronald E. Lewis (management '65) has been named loan review officer at Central National Bank in Richmond.

James H. Revere, Jr. (dentistry '65), assistant professor of prosthodontics at MCV, is now serving in the new position of director of student affairs in the School of Dentistry.

1966-67

Aubrey C. Hall (medicine '66), of Clifton Forge, Va., has joined the staff of the Emmett Memorial Hospital in the department of medicine.

William Howard Pitts, Jr. (drama '66) frequently secures leading roles in various Virginia theatres. Appearing under the pseudonym of Will Howard, the former Hodges Award winner at VCU has had such roles as Ben Franklin in "1776" at the Swift Creek Mill Playhouse in Richmond.

Stuart W. Bray (MS applied psychology '67) assistant professor of education at the University of Louisville, has received his Ph.D. degree in reading and language arts education from the University of Virginia.

Joyce Miller (nursing '67) currently completing her masters degree in pediatrics, volunteers time talking with children who are diabetics and hopes to join a club for these diabetic youngsters.

Robert S. Sayers (business '67) USAF Captain, received the Air Force Commendation Medal at Yokota Air Base, Japan.

John A. Taylor (history education '67) is involved in his first-year as principal of Colonial Beach (Va.) schools.

1968-69

Emmy-Lou Weigel Ayres (interior design '68) has joined the faculty at VCU as an instructor in the School of Arts' interior design department.

John Belvin (communication arts & design '68) of Deltaville, Va., has had his art work exhibited during the summer at the Studio Gallery in Norfolk.

Elizabeth C. Crowling (MSW '68) has been named executive director of the Catholic Family and Children's Services office in Norfolk, an agency with which she has been affiliated for 22 years.

Donald N. Dulin (journalism '68) is vice president and editor of **The Stafford News**, a new weekly newspaper published for the residents of Stafford County, Va.

John B. Edwards (journalism '68) has been approved managing editor of **The Smithfield (Va.) Times**. As such, he is responsible for the newspaper's news content, page makeup, and photography.

R. Reese Harris (MSW '68) a psychiatric social worker at the South County Mental Health Center in Springfield, Va., has begun a part-time practice in Fredericksburg.

Conway H. Spiers (accounting '68) has filled the newly created position of controller at Blue Cross and Blue Shield of Virginia. He was previously manager of the provider reimbursement department of the Richmond-based firm.

Frances L. Blakely (nursing '69) has returned to Georgia College in Milledgeville, Ga., after a leave of absence earning her a masters degree in nursing from the University of Florida. She returns to the nursing education department as an assistant professor.

Carolyn F. Davis (business education '69) formerly associated with Chesterfield County (Va.) public schools, is now teaching all the business courses at York Academy, Shacklefords, Va.

Marshall D. Dowdy (MS business '69) a VCU instructor, has been promoted to the rank of Major in the Marine Corps Reserve Officers.

Charles E. Edwards (accounting '69) is serving VCU's School of Business in the accounting department as an instructor.

Neale M. Robertson (MS business '69) is serving as assistant professor in VCU's department of business administration & management.

Raphael W. Stephens, III (MEd special education '69) is serving as supervisor of special education for Chesterfield County Schools.

1970-72

Linda Buchanan Atkins (business administration '70) has been made manager of the credit department at United Virginia Bank-Citizens & Marine in Newport News.

Sherwood H. Creedle (accounting '70) has been promoted to supervisor-federal taxes at Richmond's Virginia Electric and Power Company.

Marilyn Greene (MEd counselor education '70) guidance counselor in Baltimore, was, for the fourth consecutive year, affiliated with the Experiment in International Living. This summer she lead a group of youths to homestays in Lappland, Stockholm, and Gastrickland, Sweden.

Wayne L. Johnston (MSW '70) has been appointed an instructor in VCU's School of Social Work.

Ronda I. Kruger (sociology '70) is now involved in her first year as an instructor in VCU's department of elementary education.

C. P. Mills, Jr. (business management '70) has joined the staff of the Richmond Redevelopment and Housing Authority as the operations analyst. As such he will analyze and examine Authority operations and recommend changes in personnel policies and procedures.

Mary Ruth Sudzina (English education '70) of Wayne, Pa., is teaching in a private preparatory school where she is developing a reading program for grades 8-10.

William L. Fountain, Jr. (psychology '71) 2nd Lt., is attending the Army Intelligence School at Ft. Huachuca, Ariz.

George R. Fugate (communication arts & design '71) formerly associated with Michael Bishop Associates as a designer, is now a commercial artist for Waters Advertising Agency, Inc., a Peninsula-based advertising and public relations firm.

Shirley Richardson Garlington (elementary education '71) is teaching the second grade at Hartwood, Va., Elementary School.

Ann Lyle (art education '71) has been named YWCA program director in Danville, Va. Husband John Dedrick Lyle formerly taught art history at VCU and is now affiliated with Stratford College.

Elizabeth I. Martin (dramatic art & speech '71) is now involved in her first year as an instructor in VCU's department of dramatic arts & speech, School of the Arts.

Catherine G. McGee (accounting '71) of Mitchell Wiggins & Co., in Richmond, received a gold medal for making the

highest grade in the Virginia examination of certified public accountants. She also received a certificate from the American Institute of CPA's designating her grade among the 50 highest in the country out of 28,788 candidates.

Jerry M. Ray (pharmacy '71) who has been associated with SuperRx Drug chain for approximately one year, has been selected manager of the new SuperRx store in Danville, Va.

Ivan R. Schiff (dentistry '71) has been promoted to Captain in the U.S. Air Force. Dr. Schiff is a dentist at the USAF hospital at Mountain Home AFB, Idaho.

Harold W. Sell, Jr. (business administration '71) 2nd Lt., has been awarded silver wings upon graduation from U.S. Air Force navigator training at Mather AFB, Ca.

William M. Waring (medicine '71) Captain in the U.S. Air Force, is stationed at Lockbourne AFB Hospital where he is a flight medical officer.

Michael L. Boykin (journalism '72) is working in the news and editorial department of the **Farmville Herald** as a general assignment reporter.

Barbara J. Butler (economics '72) a member of the Richmond-based brokerage firm of Scott & Stringfellow, has been approved by the New York Stock Exchange, Inc., as a registered representative. Miss Butler is serving in the firm's trading department as assistant.

Linda Diane Goldberg (crafts '72) has joined the faculty of Richard Bland College in Petersburg as ceramics instructor.

Pamela Ovide (communication arts & design '72) has joined the staff of Waters Advertising Agency, Inc. in Newport News as a commercial artist.

Brian Parkhurst (English '72) has recently become minister of education at Smith Memorial Baptist Church near Williamsburg.

Bobby Pittman (physics education '72) has joined the teaching staff at Mathews (Va.) Intermediate School.

Wanda Brent Robertson (journalism '72) is now affiliated with First & Merchants National Bank, Richmond, as assistant editor of publications.

Mary J. Schiller (nursing '72), Lt. in U.S. Army Nurse Corps, is stationed at the Army General Hospital, Fort Gordon, Georgia.

David A. Shuber (music education '72) is currently teaching music as a new appointee in the Mathews County (Va.) school system.

W. Clifford Sleeman, III (advertising '72) is now an instructor in the School of Education's learning resource center at VCU.

Stephen E. Varzaly (administration of justice & public safety '72) has been named the West Piedmont Planning District's criminal justice planner. □

"Comment"

As I have the opportunity to meet with alumni of Virginia Commonwealth University, either individually or collectively, a question is often asked about the purpose of the alumni activities office. It is the goal of this office to help the individual alumnus become better acquainted with VCU and understand the University's many programs. Whether you studied at the Medical College of Virginia, Richmond Professional Institute or VCU, your alma mater is a big and rapidly changing educational complex.

The primary purpose of the alumni activities office is to provide information for all alumni so they are informed of the development of their alma mater. Only the alumnus who knows the University can articulate it well and support its many goals. Because of the nature of the University, with twelve schools and a major health care facility, programs and relationships are diverse. This office serves as a focal point for interpretation to the alumnus of these diverse programs.

Our goal is also to serve those who studied here. The needs of our alumni are many and can be met through the multiple resources at VCU. The alumni activities office can direct your efforts for assistance in any area. Whether you are seeking a resource person knowledgeable in a particular area, want to know a lecture schedule, or need assistance in solving an academic problem, this office exists to help you, the alumnus.

During the next several months, a number of meetings are planned to introduce you to your alma mater. I hope to meet you on one of these events. In the meantime, if this office can be of assistance to you, please do not hesitate to call us.

Jim Dunn

James L. Dunn
Director of Alumni Activities



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